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AMENDMENTS TO THE CLAIMS

<u>Detailed Listing of All Claims 1-44</u>:

What is claimed is:

1 (currently amended).   A   method   for   mapping   a   user   in   a heterogeneous network comprising:

receiving on a computer in a first network a user name associated with a user in the first network wherein the first network uses a first operating system;

mapping the user name to a user name associated with the same user in a second network wherein the second network uses a second operating system and wherein the first operating system and the second operating system differ; and

mapping the user name associated with the user in the second network to a user identification number associated with the user in the second network.

2 (original). The method of claim 1 further comprising accessing resources on a computer in the second network using the user identification number.

3 (original). The method of claim 1 further comprising authenticating the user after the mappings.

4 (original). The method of claim 1 wherein the first network uses a personal computer based operating system.

5 (original).   The method of claim 1 wherein the second network uses a UNIX based operating system.

6 (original).   The method of claim 1 wherein the computer comprises a gateway.

7 (original).   The method of claim 1 wherein the computer comprises a client.

8 (previously presented).   The method of claim 1 wherein the mappings include using a map on a mapping server.

9 (previously presented).   The method of claim 1 wherein the mappings include using remote procedure calls.

10 (original). The method of claim 9 wherein the remote procedure calls comprise at least one remote procedure call selected from the group consisting of getting credentials, authenticating using credentials, checking map status, and dumping maps remote procedure calls.

11 (currently amended).   A computer-readable medium storing computer-executable instructions to map a user name associated with a user in a first network that uses a first operating system to a user name associated with a user in a second network that uses a second operating system, wherein the first operating system and the second operating system differ, and to map the user name

associated with the user in the second network to a user identification number associated with the user in the second network.

12 (original). The computer-readable medium of claim 11 further comprising a graphical user interface.

13 (currently amended). A method for mapping a user in a heterogeneous network comprising:

receiving on a computer in a first network that uses a first operating system a user name and a password associated with a user in a second network that uses a second operating system wherein the first operating system and the second operating system differ;

authenticating the user using the user name and the password to produce an authenticated user; and

mapping the authenticated user to a user identification number associated with the user in a-the second network.

14 (original). The method of claim 13 further comprising accessing resources on a computer in the second network using the user identification number.

15 (original). The method of claim 13 wherein a computer in the first network performs the authenticating.

16 (original). The method of claim 13 wherein a computer in the first network performs the mapping.

17 (original). The method of claim 13 wherein the first network uses a personal computer based operating system.

18 (original). The method of claim 13 wherein the second network uses a UNIX based operating system.

19 (original). The method of claim 13 wherein the computer comprises a gateway.

20 (original). The method of claim 13 wherein the computer comprises a client.

21 (original). The method of claim 13 wherein the mapping includes using a map on a mapping server.

22 (original). The method of claim 13 wherein the mapping includes using remote procedure calls.

23 (original). The method of claim 22 wherein the remote procedure calls comprise at least one remote procedure call selected from the group consisting of getting credentials, authenticating using credentials, checking map status, and dumping maps remote procedure calls.

24 (currently amended).   A computer-readable medium storing computer-executable instructions to to receive on a computer in a first network a user name and a password associated with a user in a second network, to authenticate the user using the user name and the password to produce an authenticated user and to map the authenticated user to a user identification number associated with the user in a second network wherein the first network uses a first operating system and the second network uses a second operating system and wherein the first operating system and the second operating system differ.

25 (original). The computer-readable medium of claim 24 further comprising a graphical user interface.

26 (currently amended).   A method for mapping a user in a heterogeneous network comprising:

receiving on a computer in a second network a user identification number associated with a user in a first network; and

mapping the user identification number to a user name associated with the same user in the second network wherein the user's user identification number optionally maps to more than one user name for the user in the heterogeneous network;

wherein the first network uses a first operating system and the second network uses a second operating system and wherein the first operating system and the second operating system differ.

27 (original). The method of claim 26 further comprising accessing resources on a computer in the second network using the user name.

28 (original). The method of claim 26 wherein a computer in the second network performs the authenticating.

29 (original). The method of claim 26 wherein a computer in the second network performs the mapping.

30 (original). The method of claim 26 wherein the second network uses a personal computer based operating system.

31 (original). The method of claim 26 wherein the first network uses a UNIX based operating system.

32 (original). The method of claim 26 wherein the computer comprises a gateway.

33 (original). The method of claim 26 wherein the computer comprises a server.

34 (original). The method of claim 26 wherein the mapping includes using a map on a mapping server.

35 (original). The method of claim 26 wherein the mapping includes using remote procedure calls.

36 (original). The method of claim 35 wherein the remote procedure calls comprise at least one remote procedure call selected from the group consisting of getting credentials, authenticating using credentials, checking map status, and dumping maps remote procedure calls.

37 (currently amended). A computer-readable medium storing computer-executable instructions to~~to~~ receive on a computer in a second network a user identification number associated with a user in a first network and to map the user identification number to a user name associated with the same user in the second network wherein the user's user identification number optionally maps to more than one user name for the user in the heterogeneous network, wherein the first network uses a first operating system and the second network uses a second operating system and wherein the first operating system and the second operating system differ.

38 (original). The computer-readable medium of claim 37 further comprising a graphical user interface.

39 (currently amended). A method for mapping a user in a heterogeneous network comprising:

receiving on a computer in a first network a user name associated with a user in the first network;

mapping the user name to a user name associated with the same user in a second network; and

mapping the user name associated with the user in the second network to a user identification number associated with the user in the second network, wherein the mapping includes using a map on a mapping server and the mapping server maintains a default map, a simple map and/or explicit maps that provide override;

wherein the first network uses a first operating system and the second network uses a second operating system and wherein the first operating system and the second operating system differ.

40 (previously presented). The method of claim 39 wherein the mapping server further comprises algorithms for unmapping users, mapping multiple users and/or group mapping.

41 (currently amended). A method for mapping a user in a heterogeneous network comprising:

receiving on a computer in a first network a user name and a password associated with a user in a second network;

authenticating the user using the user name and the password to produce an authenticated user; and

mapping the authenticated user to a user identification number associated with the user in a second network wherein the mapping includes using a map on a mapping server and the mapping server maintains a default map, a simple map and/or explicit maps that provide override;

wherein the first network uses a first operating system and the second network uses a second operating system and wherein the first operating system and the second operating system differ.

42 (original). The method of claim 41 wherein the mapping server further comprises algorithms for unmapping users, mapping multiple users and/or group mapping.

43 (currently amended).   A   method   for   mapping   a   user   in   a heterogeneous network comprising:

receiving on a computer in a second network a user identification number associated with a user in a first network; and

mapping the user identification number to a user name associated with the same user in the second network wherein the mapping includes using a map on a mapping server and the mapping server maintains a default map, a simple map and/or explicit maps that provide override;

wherein the first network uses a first operating system and the second network uses a second operating system and wherein the first operating system and the second operating system differ.

44 (original). The method of claim 43 wherein the mapping server further comprises algorithms for unmapping users, mapping multiple users and/or group mapping..